

Building Dockerfile

```
Deleted: sha256:7c7294c72c1d478b076c3d957d595d83f3b81961b851bb989c1add98119d
PS C:\Users\Asus\Desktop> docker build -t 'npsea2k21/ping' .
[+] Building 1.8s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 143B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:16.04
=> [1/3] FROM docker.io/library/ubuntu:16.04
=> CACHED [2/3] RUN apt-get update
=> CACHED [3/3] RUN apt-get install -y iputils-ping
=> exporting to image
=> => exporting layers
=> => writing image sha256:f411b65f43a47351186156a68f58758fbb05fb7af18619c327da13c4a9aad4f9
=> => naming to docker.io/npsea2k21/ping

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Asus\Desktop> docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
npsea2k21/ping      latest      f411b65f43a4      2 hours ago     169MB
ubuntu              16.04      aefd7f02ae24      3 weeks ago     134MB
alpine/git          latest      c99c7d810bc1      3 weeks ago     25.1MB
docker/getting-started latest      3ba8f2ff0727      8 weeks ago     27.9MB
PS C:\Users\Asus\Desktop>
```

Optimizing Dockerfile (same filesize)

```
Deleted: sha256:f411b65f43a47351186156a68f58758fbb05fb7af18619c327da13c4a9aad4f9
PS C:\Users\Asus\Desktop> docker build -t 'npsea2k21/ping' .
[+] Building 1.9s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 275B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:16.04
=> [1/4] FROM docker.io/library/ubuntu:16.04
=> CACHED [2/4] RUN apt-get update
=> CACHED [3/4] RUN apt-get install -y iputils-ping
=> CACHED [4/4] RUN apt-get clean && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages*
=> exporting to image
=> => exporting layers
=> => writing image sha256:7910287726cf16b373a2254065de71c4f4a16a046f77df0475ded8f10bbb6f0e
=> => naming to docker.io/npsea2k21/ping

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
PS C:\Users\Asus\Desktop> docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
npsea2k21/ping      latest      7910287726cf      2 hours ago     169MB
ubuntu              16.04      aefd7f02ae24      3 weeks ago     134MB
alpine/git          latest      c99c7d810bc1      3 weeks ago     25.1MB
docker/getting-started latest      3ba8f2ff0727      8 weeks ago     27.9MB
```

Collapsing all of the related RUN directives together

```
Deleted: sha256:7910287726cf16b373a2254065de71c4f4a16a046f77df0475ded8f10bbb6f0e
PS C:\Users\Asus\Desktop> docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
npsea2k21/ping      latest      e689b65e1d71      2 hours ago     138MB
ubuntu              16.04      aefd7f02ae24      3 weeks ago     134MB
alpine/git          latest      c99c7d810bc1      3 weeks ago     25.1MB
docker/getting-started latest      3ba8f2ff0727      8 weeks ago     27.9MB
PS C:\Users\Asus\Desktop>
```

